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# Sedgwick- Sand Draws

## SEDGWICK SAND DRAWS WATERSHED

The Sedgwick-Sand Draws Watershed Project completed and dedicated June 12, 1992, provides flood-water protection benefits, irrigation improvements and more intensive land use benefits totaling almost \$400,000 annually. This 104 square mile watershed encompasses much of Sedgwick County, Colorado, and parts of Cheyenne and Deuel counties in Nebraska.

Nine flood-water retarding dams, eight miles of floodways and 10 irrigation canal inlet structures reduce damage from floodwaters. Protected property includes irrigated croplands, wildlife habitat, roads, railroads, farmsteads and the town of Ovid, Colorado.

In addition to the federal expenditures for water structures, landowners within the watershed used their own funds to obtain land rights and to complete land treatment improvements on 6,450 acres of cropland and 6,700 acres of rangeland to further reduce runoff and sedimentation.

SEDGWICK-SAND DRAWS WATERSHED  
FLOOD CONTROL PROJECT  
TWO MILE NORTH  
COMPLETED 1992

Developed by

DESIGNED

SEDGWICK COUNTY SOIL CONSERVATION DISTRICT  
SEDGWICK-SAND DRAWS WATER CONSERVANCY DISTRICT  
SEDGWICK COUNTY BOARD OF COMMISSIONERS  
JULESBURG INNOVATION CENTER  
TOWN OF OVID

COLORADO STATE SOIL CONSERVATION SERVICE

NEPHEW

SOUTH PLATTE NATURAL RESOURCES CENTER

Assisted by

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

with funding from

WYOMING RURAL LAND FUND  
AND FEDERAL AID TO RURAL INFRASTRUCTURE

# Watershed

U.S. Department of Agriculture  
Natural Resources Conservation Service  
(formerly Soil Conservation Service)  
Julesburg, Colorado

Revised December 1994

# The Sedgwick-Sand Draws Watershed

The Sedgwick-Sand Draws Watershed is located in the northeast part of Colorado and the southwest corner of Nebraska.

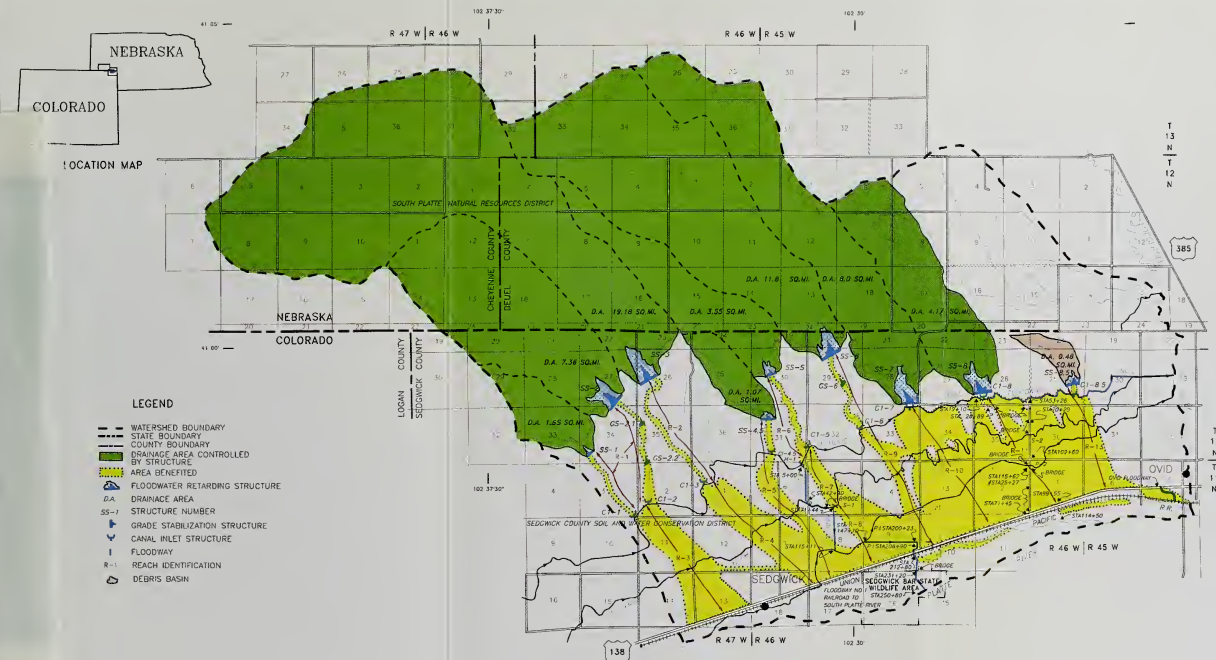
The watershed covers approximately 104 square miles. Almost 50 square miles of the watershed are in Sedgwick County, Colorado; 17 square miles are in Cheyenne County, Nebraska; and 37 square miles are in Deuel County, Nebraska.

Twenty percent of the watershed is irrigated cropland; 41 percent is non-irrigated cropland; 36 percent is rangeland; and 3 percent is miscellaneous land use. Ninety percent is privately owned land; the remaining 10 percent is state-owned.

The objective of the project was to reduce damage from floodwater, erosion and sediment, to agricultural lands, crop irrigation systems, wildlife habitat, roads, railroads, farmsteads and the Town of Ovid, Colorado. Benefits derived from the project are mostly onsite benefits: soil and water conservation; improved food and cover for wildlife; and reduced runoff, erosion and sedimentation.

Approximately 1,600 acres of additional forage is now available to landowners and wildlife as the result of reduced wildfires.

Structural measures in the watershed consist of eight single-purpose floodwater retarding structures, three grade stabilization structures, eight miles of floodways and 10 canal inlet structures. Average flood damage reduction benefits are estimated at \$13,210 annually.



SOURCES:  
 DIGITIZED FROM SCS THEMATIC R-21842-N DATED FEBRUARY 1973.  
 LOCATED FROM LATEST COUNTY HIGHWAY MAPS AND INFORMATION FROM  
 SCS FIELD PERSONNEL. MAP COMPILED USING AUTOMATED MAP CONSTRUCTION  
 NATIONAL CARTOGRAPHIC CENTER, FORT WORTH, TEXAS 1991.

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# Revised Project Installation Costs Sedgwick-Sand Draws Watershed *Colorado and Nebraska*

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<u>WATERSHED IMPROVEMENTS</u>	<u>COSTS</u>
<b>Land Treatment</b>	
Cropland	\$ 685,650
Rangeland	116,800
<b>Individual Practices</b>	
Fire Control	
Colorado	33,100
Nebraska	10,000
Tree Planting	
Nebraska	4,000
<b>Technical Assistance</b>	
Colorado	37,000
Nebraska	15,600
<b>Total Land Treatment</b>	<b>\$ 902,150</b>
<b>Structural Measures</b>	
Construction	
Floodwater Retarding Structures	5,561,866
Floodways	
Ovid	173,362
Floodway 1	1,259,690
Floodway 2	2,320,952
<b>Subtotal (Construction)</b>	<b>\$ 9,315,870</b>
Engineering Services	2,042,337
Project Administration	2,367,214
Other Costs (Land Rights)	205,400
<b>Total Structural Measures</b>	<b>\$ 13,930,821</b>
<b>TOTAL PROJECTS COSTS</b>	<b>\$ 14,832,971</b>





*Water control structure to transport water from Highline Canal into Floodway No. 1*



*Finished seeding and mulching operation on face of dam, with concrete riser for primary spillway in view*



*Seeding pool area upstream from dam*



1022406538

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## SPONSORS

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Sponsors cooperated with and received assistance from the following organizations:

Natural Resources  
Conservation Service  
(formerly Soil Conservation Service)  
U.S. Department of Agriculture

### COLORADO

Sedgwick County  
Soil Conservation District  
  
Sedgwick-Sand Draws  
Water Conservancy District  
  
Sedgwick County  
Board of Commissioners  
  
Julesburg Irrigation District  
  
Town Council of Ovid  
  
Colorado State  
Soil Conservation Board

### NEBRASKA

South Platte  
Natural Resources District

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